

James Air Meters for Fresh Concrete



A complete line of pressure air meters and air entrainment meters for determining the percentage of entrained air in freshly mixed concrete



ASTM "Type B"
Pressure Meter



Volumetric
Air Meter

Product Information

Air content plays an important role in concrete. James offers the user a full range of air meters such as **ASTM "Type A" Pressure Meter**, **ASTM "Type B" Pressure Meter** and the **Volumetric Air Meter**.

Applications

- Roads
- Bridge Decks
- Cold Weather Concrete

Features & Benefits

- Light weight
- Superior rugged design
- Easy to read gauges ensure air entrainment consistency
- Three popular models to choose from
- Conforms to ASTM C-173, C-231

Strength

Locators

Ultrasonics

Corrosion

Moisture

James Air Meters for Fresh Concrete



Test Well. Build Well.

A-AB-1200 ASTM Type B Pressure Air Meter (our most popular design)

The James Instruments® ASTM "Type B" Pressure Air Meter is manufactured to the highest standards in the industry. It is the most precise air measuring device available for concrete. Utilizing a heat treated aluminum body and cast in handles on the base the **A-AB-1200** is a light weight, durable, and easy to use piece of equipment.

The James Instruments® ASTM "Type B" Pressure Air Meter features a large number of mechanical improvements over previous designs. The unit uses the latest technology available in clamping systems. It uses large stainless steel clamp levers, each with a holding capacity of 2500 lbs. These clamps provide the user with dependable operation every time. It also features innovative sealing technology for accurate readings and long life. Ruggedness has also been improved by using full welds on critically hardened seams rather than spot welds. The **A-AB-1200** also comes with a durable, advanced, high volume pump as well as a large easy to



read gauge, and bourdon tube. These features make the James Instruments® ASTM "Type B" Pressure Air Meter the most durable, accurate, rapid and easy to use meter on the market. The pressure gauge is color coded for entrained and entrapped air. The system meets ASTM C-231 & AASHTO T152 standards.

The **A-AB-1200 James Instruments® ASTM "Type B" Pressure Meter** comes with Air Meter, carry case, calibration vessel, inside calibration vessel, outside calibration vessel tube, 3 oz syringe, Strike off bar, 24" tamping rod and 16 oz rubber mallet.

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A-AV-1300 James Instruments® ASTM Volumetric Air Meter

The James Instruments® A-AV-1300 ASTM Volumetric Air Meter easily measures entrained air in any type of concrete. It has a state of the art design where there are no threads to strip, an easy to use expansion plug top and an all stainless steel V clamp that securely holds the top and bottom together. The unit also has a leak proof 'O' ring design, as well as improved clamp system so that it can easily and smoothly roll on the clamp.

This light weight unit weighs 1/3 of its brass counterpart and about 1/2 the weight of an aluminum unit. Easy to clean, the unit is made of reinforced fiberglass and PVC. The system conforms to ASTM C-173.

The A-AV-1300 James Instruments® ASTM Volumetric Air Meter comes with Meter, Funnel, Syringe, Tamper, Calibrated Cup, Mallet, Strike off Bar and Plastic Carry Case.



Volumetric Air Meter

A-AA-1100 ASTM "Type A" Pressure Air Meter Model

The James Instruments® ASTM "Type A" Air Meter is used to determine the amount of entrained air in freshly mixed concrete.

The A-AA-1100 "Type A" Pressure Air Meter needs little or no maintenance and is the meter of choice in certain regions. The measurements are displayed on the graduated cylinder attached to the meter after the sample base has been pressurized.

This lightweight aluminum design conforms to ASTM C- 231 and the complete systems comes with Meter, Calibration Vessel, Rod, Scoop, Strike off Bar, Mallet, Instructions and Steel Carry case.

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Specifications

A-AB-1200 Meter (Type B Pressure Air Meter)

Net Weight	21.5 lbs (9.7 kg)
Height	22 in. (56 cm)
Diameter	9 in. (23 cm)

A-AV-1300 Meter (Volumetric Air Meter)

Net Weight	5.5 lbs (2.5 kg)
Height	24.25 in. (61.5 cm)
Middle Diameter	7.25 in. (18.4 cm)
Volume	134 cu. in. (2200 ml)
Sight Tube	0-6%

A-AA-1100 Meter (Type A Pressure Air Meter)

Net Weight	30 lbs (13.6 kg)
Height	24.3 in. (61.7 cm)
Diameter	12 in. (30.5 cm)



ASTM "Type B"
Pressure Meter

Volumetric
Air Meter

Sales Numbers

- A-AB-1200** Type B Concrete Pressure Air Meter Complete System
- A-AB-1300** Concrete Volumetric Air Meter Complete System
- A-AA-1100** Type A Pressure Air Meter

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